

STEREO MOC Status Report
Time Period: 2012:331 - 2012:337

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 332, during the DSS-63 support, turbo decoder lock was lost briefly at 0717z. This anomaly resulted in the loss of three frames of SSR data. See DR #N108547 for more information.
- On day 332, during the DSS-15 support, turbo decoder lock was lost briefly at 1348z and again at 1608z. This anomaly resulted in the loss of two frames of SSR data. See DR #N108548 for more information.
- On day 333, during the DSS-55 support, turbo decoder lock was lost briefly at 0739z and again at 1051z. This anomaly resulted in the loss of five frames of SSR data. See DR #N108549 for more information.
- On day 333, during the DSS-34 support, no commanding or ranging for the entire track due to a transmitter problem. Also during the support, turbo decoder lock was lost briefly at 2017z. This anomaly resulted in the loss of one frame of SSR data. See DRs# C109134 and N108550 for more information.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Ahead was 4.9 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 336, during the DSS-45 support, no commanding or ranging for the entire track due to a transmitter problem. Also, the initial telemetry lock was established late at 2301z due to the real-time schedule change from DSS-34 to DSS-45. The change was to assist the CASSINI project with an uplink capability for their pre-maneuver commanding. The late telemetry lock anomaly resulted in the loss of several minutes of SSR data. See DRs #C109148 and #C109149 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 332, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1328z for 0.5 hours. The primary cause was the accumulated shortage of track time throughout the week.

- On day 334, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0234z for 19.6 hours. IMPACT (Part 15) reached 95% full at 1840z for 3.5 hours. PLASTIC(Part 17) reached 95% full at 2003z for 2.1 hours. The primary cause was the accumulated shortage of track time throughout the week.

- On day 335, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0655z for 7.8 hours. IMPACT (Part 15) reached 95% full at 0733z for 7.2 hours. PLASTIC(Part 17) reached 95% full at 0757z for 6.8 hours. SECCHI (Part 19) reached 100% full at 1350z for 0.9 hours. The primary cause was the accumulated shortage of track time throughout the week.

- On day 336, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0815z for 8.5 hours.
SWAVES (Part 13) reached 100% full at 1730z for 0.5 hours.
IMPACT (Part 15) reached 95% full at 1507z for 1.7 hours.
IMPACT (Part 15) reached 95% full at 1725z for 0.6 hours.
PLASTIC (Part 17) reached 95% full at 1607z for 0.6 hours.
PLASTIC (Part 17) reached 95% full at 1731z for 0.4 hours.
The primary cause was the accumulated shortage of track time throughout the week.

- On day 337, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1230z for 0.3 hours. The primary cause was the accumulated shortage of track time throughout the week.

- The average daily SSR playback volume for Behind was 3.5 Gbits during this week.